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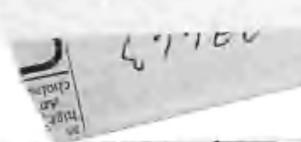
3/88/18

Collection and Field Note Book
No. 48
(Nov. 18, 1956 - August 5, 1957)
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THE OWNER CONTRACTOR OF SULL SUPER TRACTOR AND AND AND AND AND AND AND ADDRESS OF THE PARTY O Office Strangers and the strangers and the state of Colores Col Consessed minimized to be a SHE-DRIVE INCOME TO A CONTRACTOR OF THE PARTY OF THE PART Charles and the second and the secon the reserve exercises of the property of the land CELECTION OF STREET STREET Jan I Market CI CCL = 77.19 The first commencer of the property of the sale 3385-5386 3505-53866 Softward average and the separate and the man Company of the Compan and the second of the second of the second CONCRETE CONTRACTOR OF THE PERSON OF THE PER Andrews Commission of the and become

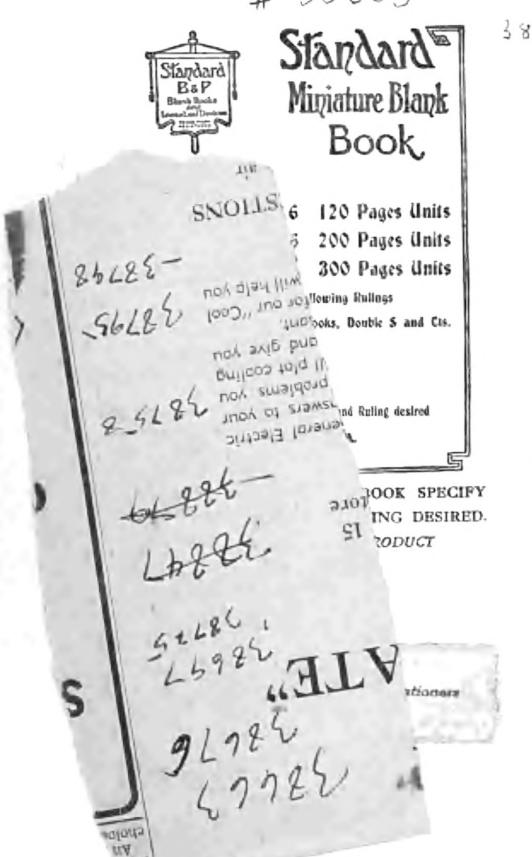
F. R. Fosberg

* Collection Book

no. 48

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BUDAPEST, Hungary, May the a 10 (P). - Poland's Wladyslaw vie d- Gomulka told a select group twe ili- of Communists today Soviet but rce suppression of the Hungarian hav left revolt in 1956 was correct and He 20 necessary.

ira- "In the concrete circumcity, stances of your country at the ered time it was an international obligation on the part of the USSR in the interests of the Hungarian people, peace and serve all the Socialist states," the terds Polish Communist Party boss of A said.

Mr. Gomulka, here on a four- ferenday visit, spoke in a swelter- Africa -Van ing indoor sports hall and the deput Texas 4,000 who heard him were ad- execua con- mitted by numbered tickets. A Neo-L today few hundred yards away stands tary g. flowers the great People's Stadium, Assem, E maid- which can hold nearly 100,000 A r at the people.

There was speculation that Ambai ed but the Hungarian Communist Brance ight for leaders wanted no large and signed er than unscreened crowd to hear Mr. and fi iter his Gomulka, who seeks for his on Tu

ational

on the return ntember catione New il play ednesarding WOTH on new power was re he ively channel

5:30

Michel's CIFY · IRED. Continental Music

> Enchanting gypsy and concert music

ADVENTURES NUMBER & SPA

Bill Baird's marionette "Stretching the Imagino

Tunis Book

the re

38813

172-173

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cent reas

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the spc jority c which has he

hearin ministe industr

Rect called autom

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38663 ATE"

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ieneral Electric nswers to your problems you Il plot cooling and give you sant. for our "Cool will help you

-38748

STIONS

F. R. Fosberg

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BAP

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WASHINGTON I, D. C.

1954 D.C. - maryland 1 nov. 18 - Trip by now from Washington & new york Description of vegetation from Left sid hundows (train Pennsylvania RIP) (Coastaf Plain landsuspe Leaving Washington weedy embanh whents and Iwaste places some dominated by blankets of fanicer johning others by stands of andropogen originions and descaparing, still others by mines! perennial promeer species leg. polidario, lanieum, astereti! Verylunus thickets with accommend, Liquidanhay, querus Sinus vigintano fear more and more commen, accinis especially mmon in low shots. Forecers is very compressions climbing intrees. Outside Washington the country becomes generally worded except where occupied by bousing developments. remocilly - some hand n leaves especially asienal tratela

ABOUT OUR PEACHES

These peaches are grown on our farm in Fairfex County and are picked the morning of the day you buy them. By picking daily we are able to bring them to you at the peak of their freshness and goodness. Only a tree-ripered peach has these qualities.

The orchard we are picking from this year has elever varieties, with ripening dates ranging from July to September.

The varieties were chosen because of their high quality for eating fresh. Most of them are also suitable for freezing or carring. You will notice that the Elberta is missing from the list below, but its absence is intentional. The Elberta (often mispronounced Alberta) is an old variety good for canning but definitely inferior for eating fresh or freezing. It is still a popular commercial peach because it ships well and can be handled roughly. But it is not "luscious", as store ads frequently describe it.

Incidentally, we also grow several verieties of (wiertal plums -- Satsums, Methley, Abundance, and Santa Ross -- which will be available at this stand at times during the summer. All will be sweet and juicy -- again, as in the case of peaches, because they will be left on the tree until ripe.

Following is a list of the varieties of peaches to be sold at this stand throughout the summer. Approximate ripening date is given for each variety. These dates may vary a few days either way, depending on the weather. Each variety is in for about a week after its ripening date.

Variaty	Approx. Ripening Date
Erly-Red-Fre Gold Ray Redhaven Triogem Halehaven Georgia Belle Summercrest Brilliant Shippers Red Afterglow Rio Oso Gem	July 9 July 20 July 29 Aug. 7 Aug. 13 Aug. 16 Aug. 17 Aug. 17 Aug. 20 Sept. 1 Sept. 6

1956 Mil. Woods are presonements, oak with Platane. and deer melroem in low place, admixtures some Minigida, are common Some patche. of free stands of Plinys. Leaves marlly off the secrolumn trees at this time, but a fred trees still show hown leaves, especially Lagre got of mixture, Hern Dale Ster. Bergood here are more fine slands of fine, then mixed deciduous words. largely young second grants, but occasional patcher Bowie flande. Much very young second growth, mostly

greenen; some stands

of prine, 4-8 m tall

Panieum Cupaterium, aster ridens, etc. Acattered tree seedling, Clatana, Clatana, Clatana, Clatana, Clatana, Clatana,

Leaving Baltimere Weedy vacant lots and rideral spots. here marshy, very polluted places, dorhinated Ly lancum virgatum. then some cultivates fields mixed with seems growth. decidence I namore estuaria march (more extensive in right not) Then a morare of cultivated field, with smaller patcher of broad-Reafed words of various heights. form of there are blanketed En Contrary japoning. glenn martin Hart (on it) woods become more derninant, mostly well grown second growth deciduon, but

4 1956 mid

firest. or bottom les

after some mile,
of this offen land,
little cultivated or
grassy becomes more
freedomingent fruit
still with considerable
frest, some park like
land is mostly
derminated by independent
vergenieus

but mp 107+106 amndinana

become, more generally worded. Pinistelendian also places.

Calvert Distillery
Much horizing, with
some decidences words,
This becoming less as
Baltimore is dippossibled.
In large cornete y
trees are largely nating
decidences over, skinds
are mostly pearted.
Juynn Sta.

1956 Mai Alofer around Harrie- de- grace a e second growth the lining fusquehanny R where my oreulied by houses. Amall bits of Panicum virgatum marke. I stand in more covered by bottom. Gard Pergville patches of deciduons wood in farm-land. a long hedge of Myring: ent off red for in hillings marelly rale and fininden draw with Platany prominent in navinez. Cut banks along rail road reveretites in place by a Levelid stand of fines. (I vegenium) from there an inequal clearing in decidences with fine, secasional small swamps and wet places with Betula myra Opening

maryland - Delway derninates es underfuger virginias. Some larger cultivated farm ? a mixed strub layer becomes may preguent in the words and patches of Betula mora on apparently dry ground are orcarional, a few pure or shired with deceduous trees. Pines are mortly ! virginians. some longido servered on p. 46 del large stren area, either severed by andropegon a cultivated. Centen eta Decidron words along stream. in escarpments and alow hill mostly oak Open grown cultivated in andropogon mostly open. Surve, Inobably Rhus copolling, common in waste starts, with mixture of folidago, and operas etc newark Del.

illrevace - Conneylvans 11 dilanthus in alley, ex Incolored eity an aren of allump is being reveretated. and amale fratiles of ectuaring march some with Typha some Hibrisan moschantos, etc. Central This rolling elfer running down to telawere rive, largely leving, some decidudes econd growth. Bellevue Ata Housing with patches of decideron woods very dregular and from, estilaine mark, and and who gon. Works are date red mobile. flatances, Legundanda etc. Steer Plant at Majaman Miscanthus minus hase quite a frothold. Then weed, area very repopulated with the seedlings, there, m. I tall. Marcus Harly area longely bouring, and factores but with fratelie of marsh, word,

14

1986 New Jersey

and a golf con Avil in the som is deep he motitel sed Housing more since more replaces word To Rahway, where has many there, westly nature his as far as can to sere. tonsyderable includes with housing and some decidendus second - growth wood Rinden Ata. but still many trees. Housing becomes denser and tree less into Elizabeth but ilizabeth generally, tractain munber oftrees - coles, funden plane, maple et Industry inciences naprolly as done general density, into newark Pettle except maderal patrice bar, occasional alanchus Jeanny Newark a dense industrial area gives way abruptly to Phragmites communis marsher in place being billed in with city waste.

new tersey Large areas of Chragmite externed to the friend basalt intrusion just beyond a large tidal river in the outshirts of Jersey City. the basalt bull i covered by andropogon and a spane growth of strently oaks. her mor laragmites between here and the entrance to the tunnel. The I hagmites is dense cause a few emapart, 1-2 mitalf. fartly with old inflorerence.

gld fields. martly

considerable brigide.

Country very flat,

Locally many small

margane 1956

Dec. 24 - Triply rant from Washington toward new york, Cennylvania K.R., right side windows of train

varle whots along had, androprogram virgining l'atcher of trees, especially clumps of alanthus, some valls, red maple, national arboreturn

with low hills covered by decideous words in distance. Praywol This troben woods, grass

and marsh swamps freet in anacoslig knie bottom land.

figuridamlar, vales. elm?) and red maple with Pinus, mostly I verginiang contined and locally in patcheslow shots with standing

water lack fines. abersold fields on rolling ground growing outs to briles, mostly

I inus viginiana. Manter along tracks langely covered by forming sapering - dull purplish

Then ofren gently with androgon, scattery small orales and fines and but thing thinkers Farge fractory a little distory from track. then brushy swamps and rolling thronly worded land, some areas, of small decidion, woods, reattered fines. lands and low woods acros from Calvert distilling House abundant but with many trees. executed ground with Trigh banks - then a general electric greant Long small patches of decidions words also dont dumps. Housing perger into city of Maltimer.

26

south of Centaeville east Bull Run cultiver second- g with deciderous wordwith scattered patches of serul from. that to gently rolling round trees to 20 cm doly c querus velution

c Carga Mp. freezens alla.

la c Cornu florida

o Vitis 21

o Fagus grandefolio (say small ec a funiplin virginian

a freis canadensu

es à pasines americans

r Prunus americana ea I'ms virginians

Ic Rhus copalling

a dee ruhum Juneaus stellato

2 Prunus serving

v. Cinodendron

Vensity frances from nother spen to very open. way taken, layer denne to often-I mis very ince you explings grute common treatly a bundant

Fairfax Co

enny a few of white of other species theted! generally but not always The more offin ils situation the commoner the frame saftings. They are confucions all along the was some patiente of Concers gafores executly along was that not very common.

tigo Maximum argo of trees increases toward Bul Run, some may exceed 30 cm. near the escarfiment though not many reach such a sign.

stumps of various age are common in the words, but now very recent. Ofverely logging has, in the past, been rather

Leveral exposures of trap rock her.

nerth of Vicoquan rech , w. of mouth of Landy Run. s. e. of Fares Corner my word in indending only etc. in dissected growing tren mostly 25 cm. less, tomo from, locally Catches of Kalmintin underfrontly some tratelier of Chigaea commo tadas very trees seen on beginning of ridge Orne Tanga tal 15+fm stick in lines in a concentration of groves, heatered small Have officed don't all norms. Atump seen but is NEWNOV. In a distance beech lescome locally abundant Here acattered amus. Lumited. above Beren 1 patel of Rhododendon reserving

who to or my tall

This firest is
suggestive of a more
favorable habits than
that in the Bull Run
area. The soil have re
either coasted plain
alluvium or deeply
weathered seliest
from quarty fragment
seen. Depth as industry
ly erosion pattern is
much greater.

following a sinuous ridge. This has been newly bull-dozed out may be an old road.

month side

Jan. 1 - Occopian cere about Ryan Dum, west of Stillwell Cr.

in mixed woods at Tota

of escarbinent overlooking Trech Tsuga canadensis

common, mostly small trees. 6. Rhododendin maximum small colony

Jan. 13 - 2 mm. m. of 12 w Kun

Leund growth decidion priest with scattered Juniperus and a fan

arnali firmer. I was mostly sapling

I bh and a very per Ad wolf trees 30 - 50 cm.

Much of their is often Crobably was feartured

- atten bearily formely for some time after the govert started to come such

morain of featches of varying iges provide

reflecting fere history as well as that of end nee. I would opening in

woods. Patches of moses

and lichen may to result of armal ground fire.

S. Fourfrax G

Lorm,

small tree, 8 mital shrube 3 m. talf

2 few patches of from also forest furipens vans a good bit in abundance Deciduous tree are mostly Jaks of various brinds. Prums serting, Cargary must of largest oreer in frences allow. derne sina quentres. Wolfetreer downson in part about secular No. Fac us seen.

32 1957 Vingerin-Maryland
Feb. 10 - north west of
sent Fall surprises
38667 Dryngteris austrian
in thick words mostly
Linden Irm

March 7 - Conedict Cincin of Im. Patrices t hime, Estuar, 68 magnites communis clores stand in march

March 9 - Bittle Creck Cyline . A warmy, Calnest o. M. .

69 Tarrolium listichum oloniam Tter un 70 Campsis radicans common is colosis of swamp - Jun.

frends green, mostly

care 13 m. La

this reason, electer of this reason, electer of woods frendend woods wine climbing in brushes, leafless at this reason.

35

martin - a cabelow great to Elms and red makes

in blown. This area marked "meadow" on a may of the William Fairfrax flat

Virginia

in 1739 (aug. 11 by John Warner Kurk filed at Richmond. The record of This survey, by

In. Warner, lists numerous withers trees. In order of

woundand: (dates ang 17, 739) White vales Guldwellen he

copy) red rules black oak

Stranish out Nate odla

fine rak Water live rake

Chestrut an Cir. trut

Birch There are at least two elms in bloom - the one with very entry bank and one with more platy barls, probably ulmus american Nime amalle than 15 hay any flowers, scarcely any smaller than 25-30

36871 Ulmus common in nothing flat

Plants seen in identifiable condition: Dryopteni marginalis aglenium trichmann

asplenium pratyneum Polypodium vulgar Botizehium dissectum delagenella rupestus lines virginians funificus virginians Hipatica concucana (fl.)

Laytonia virginica (fl) Celtis orridentalis Platamus occidentalis

e ces rulium ace negundo Lindera benzon conicera gaponica

La divigia alternifolis Losifraga virginia

back corby aged iving)

march 17 - Potomac River fust below freat talls Wooded vine feats

38672 Ulmur thomani?

common in decideous and

Plants seen in flower, inflats - Ulmus thomasia Ulmus americans Claytonia virginias Pertania lacinias (Landia lacinias de Varonias Prabis Genotera benjoin (Sug) Acer rubrum asiming tribolog (bud) Vinca mina

+ 74 rabis lyrata

1 75 Verming along frather and abundant on hauler and along paths

50 m.

much larges o 20 m. al

flowers white
flowers white

funfax 6.

spril 18 man Fills Clayting very abundancy Covering, ilso in flower Museani Dentaria learning Dicentra cuallaria aralis laevigata analis Egiate Linder Jenzon Barbarea ungano Lamina amplexicale Vermica of. They divaricata of lechong haderacea Camerelus abosting cardamino (layeff.) dellaria media Viola papilionaces Mertenois virginia Vinca minor Stellang prubera Laxiforga viginia Hedystis Easiles Hegratica viro inici Congdales aures Emphabia peplus fraymhuim Walians L'ordophyllum peltatum Danlaria diphylla Engthenium imaniamum Phlos subulata dealing have no constitutions

Taraxacum rulgare alliana Trillium sessile Cercis canadensis Cornus canadensis but send ing Vyola (quagest lead,) laging supplifolis Draiba menna

(same ther so 38671, 38672)

38676 ulmus

common on flow plain

late - Not Anne april ? For macomb Chef Menteur Extensive marsher doming aled by Chragmiter communing locally by Vaccharis and Ing but there badly appeated by draining liteling. Last years Phragmenter culms 3-4 m. lall, dry, fruiting, bare or covered by sheather from which blades have fallen young leafy culm to 1 m. tall. falility of march water said to be 6-790 of sea water. Best references -. " enfound, W. + Hathaway, E.S., Plant Communi. ties in the marshlands of Kontheastern Louriany Ceof. monogn. 8:1-56, 1938 and O neell 7. by shushrat in the forming crastal marsher. to Deft. Tisherin, 1949. Chragmites communes dominant in want

1957 Louisiana

39677

Type in they of ansher but not seen in good development is termed locally "chemies" an area slightly ligher than the march, covered by small rake, morney

artificial trigher ground a ound num of fort wered by thriend of Celles mississippienses with some Gleditchia puniferny ganthoseylum, and dense undergrowth of her vomiterin and Melin agederach tothe flowering. Trees have abundant Tillandsia wenerily roming japoning occasional. flowering. In most of fork are floating mats of alternanther philoxeroides I introd from Trofical america, referratures vegetatively only). around thicket, is Amilas long. mox, abundant allium trievecum producing flower and bulblets, feutellains and other herbs.

ald caree 3 - m. Tal, box new mens over to com., leajer.

Stightly brigger ground still is littlely to brave larger value and pines but is not called chemie.

Rigolettes Bridge.
For wet but soled yound with abundant therbacerus flora and widely spaced Pinus Taeda free warginian, a stellata, etc. hung with Tillanding waneside.
Hedyotis caerules on mina.

april 3 - same but to lead and toward Pearl River Denser prine - oak word: graflat ground, with Pinus tacky quereus virginiang, g. stellata,

rare along very slightly

ligher growing near gener.

april 3-7 mi. & of blidel.

ro of Pearl River

framp dominated by

Myssa biflera, with zone

freezes nigra, scer

minum was drummondie

and a little Magnolia

vinginians in standing

water. In the edges in

wet silty soil, as Eiguidants.

Guereus phellox, querous vinginiang

St. Temmany Prin

The offen character had see my to be due to fix. Common genera here - Panicum Limbristylis, Juneus Tradercanti, Krigia Beptier Mothoroodom Luigia Beptier Mothoroodom Leutellaria, Hedyotis Plantago, Leagrhinchium, etc.

flowers lavender with

Principla, 9 taleata. Myssa before; shrubs, or Hox vornitoria, myrica confera. Her space. Lymplorers, some Smilax. The value have much more 7 illandsia Than do to pines.

Myring and engene Cratargus of, as well as the trees seen to the west (above). This forest is searcely definitely layered. Polypoolium polypoolivides and tellanding are epiphytes: homilas lawifolio and 5. bong-nos are not abundant. The large trees have been cut leaving stumps.

from open ground, 45 disturbed with herb pierreers, in moist sandy-silty soil.

smaltrees 3-4 mg. tall their seen taller, all seen have pubercent leaves plant reddish; corolla while

slender tree 5 m. tall flowers cream, old leave reddish. flowers yellowing depressed

black inside segments base cannot the segments base of flower weedat.

This own prostrat creeking, buried; leave, evert will, blades vertical; sterilo.

I us abundant in open spots. Polypoolium polypoolivides abundant on thees on higher ground.

At Tammany Paris, 47

tightly is banks.

yellow. Cemon

quercus migra q. renginiana, q. alba (northern limit), ace, mbrum var. Lummondii, Fagus grandifolis, Pinus taeda P. glabro. Mynica cerifeia is very common. shrub with strong volor; flowers deep red.

- greenish pink, - Ishruh, m. tall, flowers white, pendent, leaves glancous geneath,

the 10 m tall, warm, lot.

Leaver young.

small tree others seen to 10 m. tall of another tree)

sterile should I m. tall, tough, strong smelling when broken.

Laid to qualso. Hex pumils is common, young pines scattered, some sphagnum along virulats.

very slight difference in altitude between march and forest, and transition quite alruft.

showh 2 m. tall; corolly deep purple, anthers range.

trilled by rise of \$14 due to salt water blown in by humean many years ago from take Brogne. Never has recovered.

Fairfax Co 51.

maculata, Vitrhelle, es

Rhus toxicodendron, a

Cyprysedium acard ec

asseyrum hypenedoliace)

Petentilla simplex (0)

Polystichum acrostic mes (1)

38697 Vacconium vaciones.

, 98 Vaccinium vaccions

3 99 Vaccinium atroverum one plant seen 138700 Hedyotis caerulen van me mien

2 01 Serting verticillates

4 02 Cyprifedium acault very common excally in

1 03 Viola primulafolia local in most legrenia is

May 5 - 1 am sat of or Ronicera in basture fence-vow forming lover comes up to 3-4 dominal bush 4-5 dom, tall, plowers reldish given. shows to 1.5 m. tal.

- centery yollow pale green sepa to lash brongs green sepa to lash brongs furple; marked in front with white; yetal, en sepale dark petal, en sepale dark from rivers white.

white:

May 11 - air trip Wastrington 5 m.y. South of Washington - Setems tulkway in vicinity of prenhelt are areas where the angular fattern of wine forest in a matrix of lright green broad - lear finer 3 shows up strumply wed. Juthines of old fields, woods, etc. are very clear. Ime of the deciderous lovest is variously mixed with pine to som distance would Paltimore the candscape is incredibly butchered. Highways and rea - estate Levelopments dornunate the arene, even whacung agriculture. Military installations along the tray cover enormance were, and tank farms one prominent and extensive.

where cultivates the soil is black.

May 11, air trip from new york to montrea. tiest part of try wordy. The country west of the south end of retic namplain is glat or rolling agricultural land with reathered monalnock ail, which is generally wooded. about 90% a more leading with patcher of conifers. become or the numerous and un together as a complex - bigher and more mountainous but still prodominantly in deciderous woods, some burned areas, some blue berry larrens? lakes. Confin increase northward. Lost very pale buff-gray, somplants nottling but this inconspierors a broad plain with no bills a only very low over. Agricultural with patcher of mostly from mixed fourt, sor her very black with

some buff mottling. 7 his

extens north of montreal, with

quebec

May - Montree on Mount Royal (a limestery recrae north Negraded beach maps a ace nigrum or the who will !

o Tilia uneverno o Latryon

e Betuly wary years for when

or Jarya colomni

e trajemes am icens I formely given we take

a quercus rules

o unelaner 1%. orylus constru

a framer vigenano a formus nother dely is

c of milacing racemas de landophy wim havet

a Enythrohum meirem

e Talleun and welsom (- gradage Pleasers.

1 corner

Chalietum croccus

Lieure me. Languages as.

20 of recenthermon you olygonatum protoscen

action

Kinin solnatu

Vorta ferraylanico

a very prominent of m. while growth of itel my cim i orme whendelin +1 mm vegues I in form certain imount of Popular sellvides the spring of 1 tremulvides

e Sambreus remove

a ace negundo * (tomas Talanas)

the would margrown and pening probably aforme house sit.

asty condifolin

Trilleum silectum tyd open sum magon on

Le Ledonium"

Lanerala of ir mean moderante.

Circala quadrialists

ing buck irlang when formally eleaned, brouch som. U. Empireme

May 12 C Ra

Decely maple frest, little actual
il most solid stans
of rees my um v.

o queren subcon
o raximi, american
o Ulmusamenican
elole Fagus grandifacia
elo Celya trata

arting

Dark hown med soil or prescanding facility out their street. and they are, early

fantucus recenza Prunus virginiars analia mudicardis amphicage bractesty 7 + mo whigh a capton malic tum director fullaum grandelines Uvulania quartiflos danieula differete 20 Viva faring vanica Amelarine racenos tanguns is con totalago como lo -Carrioglay lum many racinos Lory greating pulsaces Drawfryczytrum erectum Grythamin and icanin 20

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Recept of lecicanter

Dicentra canadersis

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- fruit somewhat hymporn, stammens yellow are send flat, with

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almin anipagemelasing memory

phis tolidalisher

care of Corylin counts!

Saccion this swampy good with any with any some might with training might with fraining might with I worked some in destructed places

and dense clusters of sprouts, appearing but the from stumps but the be matural not from cutting.

Higher shots have beach-

65 Fairfax Co. 1957 Virginia 64 June 1 - great Falls of the Istomor Floor plain streum with large boulders and Onosmodium virginianum eved, flowers greenish-white common in sandy servishaded spots between rocks shout 2 m, tall, flowers 06 Viburnum recognition of . or. white all seen were common in undergrowth - flowering should wom, tall, 07 Viburnum dentatum L. fruits immating (all seen ad fruit Usis age). of Melica mutica Walt. almost east 09 Vanieum occusional in serie shoot 10 Panieum rase in semi-shade cum x iscending 11 wanthoning spirate occasional in semi-stude - spileters stroping: 2 stipa avenacea L. occasionalia semi shad cul our nearing event. 13 anieum oceasional in shade stemme our flowers 14 Polygala polygama Nall. - rose junta occasional in 2 my shade flowers greened white. Exphorbia commutata - capacilo angle very oftues. ran on shaded banks very love small tufter 6 larex grayi var hispidula gray - pengynia beals firm. race in damp shade file. seightly gravers. 17 Crabis lainigate (mul) For common in semi-shade leaves green beneath. 18 Jaxinus caroliniana mill. 7 in charge words

pumperus virginians common in for it out clearly suppressed, except in a narrow cleaning where the Junipelius is vigorous and much targer. eventua dominance crya spinar spilling a sprouts and saplings are very common. Touga is common in who of the made, but reer as small. One to me hum france a - to room. All. a small of cocumer larger y, veluting ucer william fairly mmmy

flowers enamy or slightly greenish white.

June 27 - trip out au from Falle Church to High Knot near norton casual observations alonging julibussin is freely naturalized and to well beyond Tainfax. It is in full berom both wild and cultivated. shows a color variation from a frate creamy pints to a Leep old-rose cultistication that. along Thankon River and gust inside therandoal I'ash gate may be a stand of borghartrum mutans. also near the top of the road, just below Thornton gay may be single tree of Price abies. June 27 High Knob, quat south of norton, were to. common in vale forest on gently sloping ground tedrotis fruspines var. purpures

In s. w. Duginia. in clinch Valley and similar limestons regions partures secret by small frinipens or by small cratagus. which is dominant apparently depends in seed source! The allegheny ridge and clinch moruntain are densely rooded. Hoph Knot has a well developed only frest, with trees to 30 m tall and up 5 40 cm. clob. In a very sparse understory (at the camp ground) is amelandia of Myrsa cylvatics, Fagus, Menziesia, Chododondron. Considerable aces rubium. Conofiholis americany, montropy everifiers. small tufts, flower very pal lavender. small lights

38730

31 Luzula

2 32 Thelypteri noveboracensis dominant ground cover

sume 22 - by and from High Knob to along road from High instal morton and orda of Morton to southwest dead turgs hanging in trees, asplecially oders, arragest that a ervod of 17 year cicadar bas hatched this year. Some also in Cumitorland gay in the lower River valley the stopes has not the side of the mountains are pastured, but the when sloter and ridge are worded.

Middlesboro and corbin the terrain is profice and wooded Endending is the most abundant that but seems money

Frest diestly west of sandstone on full sun soft sandstone on soft sandstone on soft sandstone of Hedysomen!

edyparum! common along road on sand

rather young. Mused forest of tuly and ping (Reclaiments and V. vingenians) and some oaks and other trees seem to be comment here, but There are also many decidrous lovests largely - tulifo. Vitte of the is a rolling langely cultivaly nea at least to fonda. section of the rumberland national Forest sing formation. This is also musch, but pine is more common than any trung else Westway This is considerably dissected. The works do not sum very old

rays bright yellow

descented 1749 ice 78 - Mammally Lave Frozen Magara" trite. First descent is Throng we tically cut fluted tubes in a granula mininguan dimenting.

Nate table 360 por read surface

Moras around many of the lights, snort the light trac leady Want with sproppy tes. Temperature 54 F.

from grand Central station is Frozen hungary the care is dry and there is no more. it the Frazen ruga in - in and the entrace at is were mount. It is agas more protonema and my to bug is to see by and a number of wheat

appear to be few prothallia Care circlets as common in the carlings in lighter hairly motat creas. They hurry backed, and with extremely my internar.

160 mile a place Parly includes 51 No sener 1799. arres of frest land. This prest is quite varied some being in various stages of regrowth from old fields or pactures. Stands of frum Junipeus viginance reces. around the frience area is tall mused frest of several value, hickories, Deech, red maple, and Ulmus americana, etc. with a well developed under story of cornus florida Myssa sylvating Ulmus alata and what eppears I be a thorner Some of The rates we at least 40 m. Tall. quereur falcata and 1. who have the leaves with longer narrower lober the the nette where transfer Thun on the lower. Figure is also somewhat dimorphic, with much smaller leaves on the whom transfer than on the

lown.

This con.

78 June 28 - Mammoth Care Womenwoon Co. in deciderous words on leat yourd Ulmus thomasis occasional in understry 36 quereus falcata very common

37 Fagus grandsfolis Every Emmon

June 27 - from mammoly Cave, Ky. vig Har Columbus Ky, and Hickman Ferry to elsenne, mo. Western Kentucky is fairly flat, mostly cultivated but with bulls of any six the mississiffer south of Columbus just swamy with Taxolium and Myssa caroliniana (!) I large cypresses seen, some smaller mes. On west sed of river a small grove of cyliness

amal tre 7 m. tale, back very corby. Tall tree, 30 m. tall, there specimens from upper branches, heavie on lower tranche woodly cureate, intobed, with broade, tree 2 m. tail, fruiting turgs from where brancis steads mer from love.

geen east of A. Francis River near Fish. along mississippi the sand bars, except the youngest, are covered eyadense growth of W.W. of Cotrlar Bluff the Clark Mational frest is mixed I ime eclimate and rales. Here we encountered a terrific rainstorm.

June 30 4 mi. west of mansfield central Ozarlas, Wright Co. 8 Galium

38778 galium

ereally abundant in

June 30 mi. east of Lenera Newton Cs.

2 39 Festuca dominant in level to slopping fields resembling tall grass prairie possibly planted, obviously used for hay a pasture.

June 30 - Orage Will state
Parly Obishing
very broad navine, 2
miles or more wide,
with sparse sind
forest or woodland of
guereus stellata and
scattered Carya sp.

40 Ledum

of appeneral streamin oak woodley

bed of ephemeral stream in order welly back of ephemeral stream in

41 Labbatia

tophomial steam in oak woodlay

erect but supported by

erect, transch anching.

The largest their my 8-11 m. tall, with where the trees are widely spaced an under ctory of g. stellety saylings is promisent thich ground layer of grass and thereby

ray white, dies yellow.

flowers leight was print.

June 30 - Trip from Elsinov. Me to Dage Hills, Obla West of Elsinne the work become almost entirely deciduous mostly odly. The rolling somewhat hely generally wooded country continues to Windles to so southwest of shringfield after that the ground becomes may level and mostly cultivated Just east of Lenery forts of grains begin tooks much like tall grass brain but may be planted (photos), seems to be largely a years of Festiva, but on lover ground is analmost free stand of agropy on of. In Oblahama extension prairies appear and woods are principally on alother and in broad ravines. This pattern westward. In forest is a sundry wordland mostly of oak. Low great of this are dead a almost so. Fire "Disease?

Retween Bartlewille about 25 box tortoise were seen crossing the was on dead settled on the road. Few either east or west of Krane. Inside the road leading from the highery to the Crange filly to tate Park 5 trapetor spiriters were seen crossing road. When morested no of them reacted vistently jumping and els rating to elodomen and extending two of candal oppositages. It retreated only with some reluctance. This sprden wer seen in was both in the evening stabout 7 pm. and in the morning it 8:33 aim. During the night the was a violent tunderstorm, with gusty wind Buffer it the weather wa extremely sorting and hat veryle continued till bout 7.30 am.

July 31 my non Do- fiel 21 50 Buffralo

estward to amount of trest decreases and is more structer interest I raven bottom, and stream margins, and is seen composed of only ind more of cottonwood and other trees, in exception is amaderate frately of well bereloped out some miles east of Thereing West of France Lament Currenty foctida, ve all. suddenly becomes common along the hoad side Bet cament and Par Erech is a considerable stand of milotise linearis was. saligna along a now of. trees, but may have been Wented. unnderable variation in flower color. Ingenous alla common at Buffalo the roadsule. track is a ting but of praise That seems rather undistury compared with the frantacions the bener that is grazed

The grazed area is mostly dominated by reliantlins innue with considerate iff album, a fire mat Chroder with many other herbs e.g. a angemme ally ve Isharanthus gracinan e Afraeraliea not predate? c of ium (?) of. a Britation of the c leauny c monada si garllandia picta ale Kudbechia sp. aplopappur (retruins terrector Circium of ole ambosis artemesser ec Koenia? Thurstell, Hardeum zy. Chunter phreacarthy In Comandiasp.? a Cupliortia el. a yuccast. le Perntago spinulosa Croton My. Leficien very men gama of a tilene antimbing

88 1957 Oklahoma

V July 31 - 1 mi. e. of fet

38743 Chilopsis linearis

along road, probably

planted as wind-break

July 31 Bruffalo 44 leg. 2 45 Rudbechia 2 46 monarda

1 47 Plantago punchis?

1 49 Sphaenalces

1 50 gama

2 51 Lium?

1 52 filene antirhing

1 53 Bromus japonicus 1 54 Euphorbia

54 Euphorbia very common in disturbet you show 3 m. Tall for corolla orchid with ryellow ridges in throat, maron gratche on limb.

flowers deep promple.
nays yellow, dish Brong brack, many distally, covellar ordist.

tuby a capacin Mt. Tota 7900 - 8719 1-204 ashalfer covere by puryon- gunipes unto free gambelle, Cercorapy I me years unde crate some rate same lighted stopes fungon-junipes. Muntin ennaces; wet yellow flowers common Many borages prenstemons It I andreway, et in glory. Vart broad grassy valley and light plans used for stock grazing. Browntain stope of small bills and mountains proseny a somewhat drie asked

well worded with Rossus penderasa, Proudotsugo etc. some very large. some spectacular cliffs above, at the bread The party above Tare of this is a dammed stream, forming Lagles Nest Lake Then a broad gracey valley. Joing down the cannot above Town is similar but one side heavily frested To other less so and with much junyon-priniper and sould of theysothaming leterning and Fallinging?. the front on the soull side is Psendotsuya, abies, lower down a magnificent solid punyen frest: In cangon bottlern at upper alls. Populus tremulvides, lower to truchouse

o fully 3 Capulin Camp ground, campon above Tros

The Cimanan Canyon is

than the plains.

38764 Woodna ?

in Roundotsuga - Wies forest 65 Fallinging? Journ standenman

66 Mirabilis
moral in opening in send on 21.26.

of Popular in canyon bottom

showt

ered, somewhat glavery, florous beautiful rose pinh stamens 4. tree rom call 80cm, Faith d. lih. cathins on ground.

feely? - trup from 7 and to landed went Below Tare the Rio france is in a lely gonge. The mesar have sorge will The stopes are covered by punger - jurifier. a scattering of fringers and granifiers un down into the a few miles down the - volley the terraces on the east side are disserted and covered by pringer-Juniper Selva this the sage durage cars and is replaced by thrysothamy some areas are fairly desert-like alter fahte Ferri large area of sumper that seems to He affected by a disease. a large proportion of the bushes are yellow, apparently lying, a few dead. West of albuquerque, expecially in the neighborhood of grants, the same thing hours the plains west of along vergue, into anyona hard become dominated by Lalsola kali v. tennifolig

- the front where they appear to be quasiand nathur Than the sent, but more of the green is talion Throughout this weather in some quiringen and in placer some pinyon tron wive tanto to I at least Trants a nose flowered y lindropuntic prosely I versicalor is in flower On brigher shots the well developed is fouly In the Painted wesent It lava eap- with is ended away, exposing a many- wholed clay layer a semi-consolidated clay which erroles into wounded hills with dendution navines. The clay slopes and ridges have either no regetation or a spanse low years that stend, looks like Panthonis opicata. The ravine have a dense regetation of Herderin jubilium and a few dwarf busheratriples, etc.

River Parneria has leaves
River Parneria has leaves
dominant wordy vegetation
The balsola vegetation
The balsola vegetation
from a velt along
In hain highway is
not present athin my
along highway in pack.
Many of common
plants - Gutienezia, bolevum
Jonnia, etc. which
word shoulder than
away from way.

96

Holdroe very glaveous.

species

the sanditon which

On he ledges of dy

direllings. The

limestone cliffs in

numerous tiny cliff

have a the sparse

somebby vegetation

. Julius gambere, pengen

facing slope, have

arrelated northern

Pseudotsuga and

of Carcocarpus, Gerberis,

juniper, etc. The north

underlies it unconformate

July I just outside Petrified Fresh Mating monument come Holdreng 18768 Cornanda palleda rouside with atrigula, and other shrubs.

98 1917 anigon

northward from Flagstaff the prine frest beedness ping savarna with grass and widery spaced large well formed fine ponderse, farming part of the coning Thation frest! Pingers are scattered through this over the rese east of San Francisco my this woodland extends through a region of old cinder comes, the givest of which is suns to crater, will a wer formed crake stil visible. Descending from this ils vegetation change 19 juniper wordland with a few pringens. This give way to desert grassland and that in places & frainted lesent, the stoles in which ap Das clay. wound the canyon of the fittle Colorado The flat ground has Tun granz the stope rounded trusher of

1957 Arizona Langer To Zion Grand Pinus ponderosa at highest settleder in thelin. Then pronyon surifier - oak sage, then sage, then, below 6033 an almost frue stand of knamery (colf just west of Dead Indian Wash on a blopes s. of Little Sto. A.) Colotor & of the grap, n. end of Echo Cliffe, Washer tare Tamarix and warious shrules. at coon Cedar Ridge are field, dominates by opening of va 3 specie no Eylindropunting will green flowers. The red scho cliffy navalmost no regelation except reallers brighes on the talus before. Defre must canyon enge around a roadside frank an flestitschia,

cottonword, Sombardy work

Keapon angustifolia and

elm (Liberian?). Gleditschie

us warned

es no Charle sanditon cany on is int. I have manier and out much jointed. in the wottom of the canyon acer negundo a the most unportant but, but with cottonwoods by the carryon toward the Marrier is a love inegalar wordy vogetation of deer negaciolo, logulary Fraxing of acci rigium var. grandidadatus Certis recedentalis var. returnatum, quereus gambelii etc. Vitary in corning. The cottonwood Trees are as much as rom, tell, dy to elder almost us till the oash foundy tall the others small, up to in.

Luly 6 - St. Learge ow hil I east of trem are of red sanditing with sandy bencher mostly of very thin soil in flat bedrof randstone Vegetation is a mixed level semb Larrea - Francis but with Ephelig novaderis atyler, Kramein, Rycium, inceria; surster Muntin Dalea, etc un some abundance. riden, Mistida, maria Ormus?, and several broad leafed herba common. Lower slopes, below lowert ledger are very alkaline, with a white court. striously seepy at times. Here are mothers, I lucken atriplex. Bucharis, funda and several herbs, Juneus effusus ste. are common. De a number of weedy plants, lactura, Jalada. etc. are among. cust now this entire slope is very dry and prosidery.

uta,

104 1957 anyma

Rittle Colorado River gust noest of Dead Indian Wash

Krameria

dominant shrub ver large areas of Hochy slopes

70 tallugua paradoxa in small raving in by slope

> July 5 - Jim Canyon below narrows

71 deer nigrum var grandidentatum very emmon or talus

11 accordant lifts very Emman in cangon bollow

July 6 - It george

73 Posthyrotes

in bare ground in full sun 74 Eurogonum

coshmon on bare ground in all sun

hills of red sand in sand 75 tridena pulchelia thin sandy soil

76 Larrea divaricata Car.

common generally 77 Itilaria

common son sandy places

78 Mentzelia of sanly soil

6000

tall grayish rigid. white mostly faded.

4 m. tall, sterile.

talled, racemen pendent.

800 mg.

- strong sage-like.

flowers white.

tufted

should Im. tall, with loose bunches

flowers yellow

80 Baileya multiradiata

8. illioning incarnata occasional mostly tangled in bushes in sandy soil

1 8) Hugella

8) Prosopis glandulosa rate on sandy will

on gentle slope of of very allealine soil of below rock ledge

1 84 anemopsis californica locally abuntant in

2 8 Orthocarpus places.

86 Cluchea sericea

97 Prosopis pubercens

v 88 Castilleja verylotel - inflated; flowers yellow.

rays bright yellow.

flowers purplish faded in Rate afternoon

flowers bine-lavender,

most plants faled.

shrub 25m tall: love, yellow.

flowers white.

low bushy much branched brittle herb; slowers white with yellow tips, bracks green slighly purplish - distally.

showers yellowirt,

- fruit immature,
event up to im tall
older plantes sparsely
branched; brasts scarlet
distally, flowers yellowing.

July 7 hit from St. Jung Henry I drea and Prosotrio in I jenge region of Virgini Valley want west of Bearing Range show alcolulely no and not they precyl of 1934-7! Sterns From the averbam mit. to the touch the renal west of Paramint 12 my agus - " uso my in harrie - Francis Cy an interes weld for some stripled fate and today laner and the salt man floor of weath Valley. They are extensive trigh sand Lunes the fare in genning less than I m tel exert army wassides. In a pew youds on either side of a graved sugliman the samen frishes an generally 1.5 - 2 m. 12 and much brighter given July 7 - Roote Creek 21 mount

Thomas Tourist Many Comment of the C

O Betula common along streamwoods frince

Than generally. They by that moisting is trapped under the travement and that the word systems ern got at it, even from several yards away. To immediate road side fragand among has an abnormal derivance of herbes of various sorts. The word of the grans between ingu and Ingo ranges has only atually and similar - white, also down the west slotter - enly a very Law a resort when zeen on west a lotter Till the relatively leve valley sotten is reached, when They is an area without of awens have Therwise Is incutivated fract of every reley is mostly Siminated in attrices and artemisis industria etc.

570 m.

suffriterent here sunt to my

91 Primer in open woodlang on great rocks

93 Eriogonum

Lower Roch Creek -amp in in to Kreh Creck it 2500-2600 m. in open woodand of Pinus monophy la, and P. jestreni or Francisco a large 3- needled fring with the time tong end heavy comes with sprace seales & rough in barle), some tumperes renings filed with intermining trudentata and Course of. Betula and Vopulus Tuchreapy along the creek. The whole is on the upper pad of an aluvia fano. truge & samte trulden and shack de ous. grayer hymunis I my get mand a tou Styles " and Enogenum and the miller were common.

Jenety to late white

ins amuel tuite.

flower bright yellow.

pingen lecreases rather markedly and leterminical externition of between forest and sugges seems more about the sounds.

mono Lake affear nother abundant. July common Piles of Jale Cay along edge of joke.

Lorday with space uneven stand of Pince on Inter var. and Prime cardin. Country work is

has anomously lich and rapidly tapering trunks compared with that in the Rochies. Maximum - 0 - 25 m in 1.5 m. Abh.

July 8 - John Pass in open pure wood in grante Punis contentes van. 12- a ja-7779 4 dirunant tree

July 10 - soul of San Francisco

Ocian veryfor of shall and fine sandston growth, at edger atrong wellent garden mountain Ligeron, Cironely, Plantap, He laceum ? I has 37, yellow Engine, shoutly

common a little gantle back. also Bacchan piculais Scropbulang, Rhus directorior Common duding Internica, ichilles et. Many of their are mostly confined to sughtery sheetered sports. I offly this - mos spragnership

all, at heart at the - azon. Castillega varying in cotton from socialet a raise minuters Lipeacus of Lill range

com, very prisonate cary.

thick strongly taysing timbe.

On sand in patcher of a characteristic low Leigus, Essevolvulus, soldanella la cromen carvosa Hedrey Mculotus unline! I monotphila? Francis befunnatifieda, Calulo friendelia ele: alrania menting tras a very enlarger wort. It 6 cm. thuch competer.

July 14 - Dichey Ridge and visita center building is a planted They space.

Compton M. Completely worded. some sugged were notinger near and at top. Woods quite mised in places dominated by quercus primus, on toy by & rulea, mostly no clear dominant. Species scen. lilis americans s. neglecta Juglans cineres althenries augustoly my Polypodium vulgar ice pensylvanicum ace spicalum Henchera americans Kobinia pseudo-acario Ledum telephroides Rubus orderatus Eulous recidentalis numer verginana quereur ruha Junereus alba amelanchier carseins foliologo calais silene stellar Enpatrium purpurering arally necessaria

FIND!

Dryopheris marginalis Monotropa uniflorg Monotrepa by hopitys Ostrya virginiana Corner y. arisaema atrombens Ribes american amanthium musicetisismen Hamameli viginies arter & mandely in Menzieses petros Khododend on y Orosinea quaternaly a granes Vaccinium vacillain gillenia repoliala aralia midiflina Smilacing racemora morarda galium latifolium I hashrum at of where Olored carolina Hedyotis fungenear. compoler Spiraca betulactoria Castanea dentala ineact quadroulials Hydrange aronescens halve then server to aulegio ca navenais

120 1997 Maryland July 21 - Lugar Frag The mountain is a knot of pinking quartille, with Eliffy and large soulders man Ton he whole man is well worked with mostly decidence bees. the top dome is covered by a mixture of ywered frams & Diospyo Betterly lenta, ymenin mbra? ace hulrum, They be Pinus Junger and to vinginians with a few that look rather intermeted The trees up here in rather small 30 cm dely and not very tall. many lead thestmuts. The undesstory, 2-3 m. tall is mostly Hamaners, Ennus florida young carry, Betula and querus, etc.

montgomeny to. In the ground tireness quadrauleate is abundant, some I know to Care a Kirling Annala berelaction Our Friedendion ate heattend telming latifolis and rounderable Vaccuum vacillan On the town a copie do frest becomes ale fut thinner, more recently includes much Robinia, quereur prime, of arriver ?, Carya shy. Under outh is sparce - some ace when young rate, locust hickory much Vhydreen Co molerable Vitis and tarthenprisses. at this time everything is obviously drooping from lack of water.

cemently light into a finglet,

mottled withdowling

the million middle Western

area - lands out clearly

in it weren y bear

some relation to its

areas flowed be looked

into last themps

at reclamation on

secure but without listenet

Framas hattern Ito many

July 25 - an Trip Washington

The Anacostia was all stream,

ent he colored terments even a come the other than dankingen.

distributely the a the

destroyed as resident in

ites, on parti-way

- Factory sites until

insuppoles the ration, for the charles the ration,

it least to the with of

The stages of the

fraction and water

the ratio about revenues

14. Les allivation in

Ind looks randy. On the worst and large

the person

. In new others fine sean with strang commencentland by lower dead Trees, bulled tout not burned by the frier. - Ruboling ded andre and understand ? I must near Eath honey Sun 7110 1 un admind in itel settiled for reconnection and operation.

July 74 - Franks 17-7 6 Far June Puests han Thout I's home al they were to intrumposed about land were threwed - " know aye of buffy cumulus. ton a thruityana strutes - emmelent of photology 4 like 17 colo, a layer or large from 19000 to 30000 or 20 Then A Lityer of white strouting 02 30001 - 111.00 - 200 mingly - ractiating from a center randithe west. The second longer trecamt ratedly thirten travaid dan Livan (Il. sun illuminated I fottemon to the form

with beautiful offer) it is

inplately fan Luan. Puerto Rico hiante secon

tcharages strengeri. Cestrum nortunum odiacum variegatum Chilodendin ory carding Gealy pring amentacia v. willieriano Voyseias quiloylei Misarener Leveldending? Kernleiner weren Milodending with barted from Dre Denback is with many whole Quelarbachin waculara Polyseias tricochleata is colotes unifera " The yearsterned yours Canseviera was tealed vary to Peneroma Sturapolio are a Mr. ? peditather alpinia françaisata Thornix webeling. tandanus of guera di Redulanthus titling malordes Burerda Precuas V. Coleon switch words I sende outlemm of. ? gray religions? Firmy monthly

min treet

July 24 - Belem do Pa 4 The main downtown street is lined with large many her wer two of them with unife puit. The trunks are white-washed to about head beight. In The main branches epiphytes mostly several kinds of orchids, are abundant Ir a small square and hos large Trees of Cassia grandes (or perhaps a lighted involving it, is the flower have a yellowish inge. up the whitewashed trunk of these is a termite galley. This tranches and a gattery runs up such branch. retranching even on The smaller limbs, down even to nother small twags. Wit in this is broken swarms of fast-moving sodies un out and search the vicinity. vibrating their heads frequently. This gradually robsides over a few minute Capita 7 , minute a so the commotion trad ownered and nows of soldiers -inter muitly standing guard along both rider of each broken

cornon street trees and shubsare Mangelera undica idesia y andis Chapis flabelleformes tivisting chimense Royalonea olcraces (or regio) freu retura. I lumeria with Calharanthus roseus edilanthus tithymatride, sona creenin Yanthorna violace aloraria merontiga Queen of Gerotylin terminalis felicenia st Cases fristela hanseder northwester Corse spectalely Websell was aintness Cremon of Rhoesdizesto afrenaemonlana of ? (funds) Porganvilla spectabilis beindalism amen Randia formosa allamanda callastica uners silmitaling Calathan 'white lived los Hermyraphie (purple bonerly) acomplin compresson term gand Cupherbia splendens Polyscias quilfoyles

Ornamentals in or tetrut.

Solvethin goessyphytha

Jackstroenia

Kagerstroenia indica

Milwanisans

Few everyways.

July 24 try by air Belen -· Anntarem - Manage # w. Manar 13:40 (-46 Near and around august a telam considerable forest, mortly ragged second growth relatively good The record growly has scattered tress from the original fruit emerging for about The general level. The islands near Belem have swamp from with the lop stay open but a complete second story mostly of palms. Patcher of Montingchiardia around The edges the composition seems quit diverse, and

and other trees incl. the rimes from the palms careful are palms company and target of palms company and other trees incl. the wines from the palm (the palms company) and target of palms compations from the palms compations from the palms compations from the palms compations from the palms compations are been decently aleased.

s when grassland and fired, A 1:29 frest especially near stream. Hearing very muddy Santh Berbara then mainly forest with Berbara Cleaning. Piles When they is considerely Michael distance between streams I guesa letters. the in grandand, nather madeed darli brown in who probably he July marshy, wills pratches of It want on bold C word. Very smooth in chart. appearance from about 5000. mal cleaning become more abundant, especially her stram. Paths arross grassland stand out as though sail wer light colored sand, but soul in cleaning is redderst. grandand partiles much -maller is very small

fractually my grass non exceld of vious cleanings.

longe broken commelies clouds sais wely of some vision ever most of the trunting. shifting cultivation; but the menter part of the frest looks

D : ... m.of-Bara do Cagruma wers, However what cychean to be villed watercome stand out very a harfuly because of a lower more fin testured vegetation. They much observed by clouds.

E 7:2: cread from but with a muddy Rio Capione at rearm in the distance. a is distance small oral area in the freed appreary to be white said with scattered bushs in small trees.

> ned seven in testing color lash howish green mottless with lighter somewhat reddich

RioXingu

Crossed larger nich with some small sandy beaches end with many inlety on both side. This never much less muchy than There seen meets are muddy but com in influence very little the wer freams running Longrandand patelin near their streams in west siel of river. here are brownish, straw cola, Great all black water. cleared nees streams, sand reldish.

latcher or striper of Afferent regetation, love, trens in Rued, go from "hore black streams into the fired lossibly swamp.

H 2-37 Tollowing is would of a Ris farmin small stream that . cen in on the edge of a stry of grass of some width; they gran god megulor And with no apparent pattern tuto - rathered along showing. lasts of the grant and and -wet, crossed this stram at 1:40

G 7:30

m.of

garafie

accuracy

of the Use a large explant of apparently undestructed about the green from light green than the ser of the first, a sellowish, or brownish, or brown

Rio quajara running matts, horse by what applean to be swamp. Tarther down the margins of them to be cleared and sandy wins a larger stream in the distance, maning mattered.

132

R 7.52 a few small streams lines with marrow swamps ships last well warren swamps ships last warren smewhat locally.

Pinnsinha The water here is check, much not grandly, much

Ramor hard some street with the server again very multy, and to work black with ship of eight higher and strips of eight higher and strips of eight between the stand out of very conspicuously for like gigantic duch week for

Souther and the to little good freel, much shifting entired, much shifting entired for the ray conspicuous, Vegelation here really year complex. They is the hartween region.

well there a large black water area into the muddy toping, the area of mixing is very complex or my conspicuous, and marrow.

willed , Leavending 3.15 - 3.29

The soil here on a small bill where a low cut is available is a conglomente, stemi-constituted, of inequal modular of institute, formed in the spinion of van fleaten, by the breakdown of an old lateritie crust. The matrix is a redlish-gellow loanny material. Below this as an exposure in the street of what may be an actual crust hope may however, be a compacted layer of the northern

Und in front of fantarem perhaps I from can do reen a stilling and strang boundary between the otteh writer of the Takeyor and the yellow amazon water Trangamel raft of refelation in the image part. Plack voltures are present in fair numbers around the city, and have very little fear yesterday evening a very considerable number of what appeared to be suison tills folycatillors were folying around a banyan tree at about sundown. it the airport the surrounding fered is a low wogular own type a parently much into we in the

Levelow their spans, son Levelow their lack army very thouse

38798 Pachalanthus edge of in strip

finely + - - in the dantain - Manget Inadeally closed and bushy land to anth of tatoria along Tepages sand between I whogot and A. Aripum i partly about posterile in years now I've with a scattering of small fustres Boundarie of this me. very megular, no at all angula. I'd the forested part some in cleaning in vanous stages of revegetation after shifting suttents is a learning tend to be noule Carmelar pattern is evident between the Ricarpus and ings frande de Vila Franca I westward here the grass andly becomes less, intelle - was with the teles a highing en livalim evident all through area with of hage, but not excessive La un wan to west end of Lake Cloudiners and braginers beging increase stattered con cumulus. The forest

growth mostly desern sky.

- comes more continuous, . Profling in Elivation was and ten evident. I outerward, along the trulenpuns, is The distance, lange grassy rathe are visite, out rapidly be coming dess westward. along lownie mare dindicty patterns of lower fine Textured point, my tably represent swamp for en un with of any grands de family to land is solidly . roeseo Cremely vermer much mor alundant. I south dintrile patterns of swamp(1) frest recome numerous and abundant also conspicuo do blackwater of fago. aliproaching amongon ned do to a miguelant y parallel strugho warallel will in man more Practice grass and woodly vylaten Haven day

to a the sede of the ievi your wast much of mostly water and eight year regal grand with some mooded land and many, as a sunt, the mary channel of the morand mendaly, the they water gream or dans Tille with much water er places more than land. tow much of its light green is well trand and thou much floating mats of regetation is not it all clear Cornerles patterns of to channels departally in file das Oneas apparently much sand here I wasty the yours on a wet sand empad. alsing will of Lago de laura now of the land englosed in the great bend of the amazon wer a unmendated from wand grandand and invest 38 frecally a long the river rent - tribing meander of smally - stream here, frontly willing in style of frest. South in also mud water and much as well grassland. - belin of - zunlight closes that the light green grass has

here w

considerable standing water between it. · Nor west of in amaga and south of the Parant de hilver as comother wholey were of writer and grasslund and to frest or swamp, again with a complicated pattern that when we must represent old channels touthof the river her nd euror morail of low drab green vegetation will the dark green frost. View not good enough to male out what the it, forme water her but not very much Vertward of taping Coping and wall of his Vature Chy landscape north of the course becomes free again with little water second the Rig Unturna to the north and occasional I mall jugular Dody in the frest But to the south of the course the Lago Larace and Eugo lanacan from large - vodice of water very complex will barrand ulande in the friest to math of course ravine and small strong become suite noticeable. In general, there

7 Brazil

is for more water than one tide and constitute of from the DAC charles in thatestern 4 would form a much more infrative impressing body of water than appears from my 60 mest wetreen the Purchatuna and amazon uppears not at all distilled by man very much cut by denduty stream patterny, The more compared important drewen to lined by swamp Thus stands out very shapply in late afternoon in, tothe because of shodows and woln differences elween frestand soany the swamp being a drabbing Incer, rather-the the dull grass green of the Kir Writer is extremely implicated. and in the certainly cut down into a slightly elevated plain. This impression of a slight requiremention has then increasing our Dagirango. touth of course the amazon has sloughs along both banks, not no less together as most of these

seen previously. with of course the requiremention . has increased so the ground actually looks bully. all de wrely wooded, but will swamp frest occasionally along more -treams along Conagen west of Casa Casimiro is some o Claved land, especially is ing the will bank which is somewhat ligh, fouth ianh i loves and with much water and wet granted the north bank train low bluft rome a so high in places uron down to slopes Westward these thuffy become a bit trighter an more conspicuous. Just stretcher of water to grath Excand iast of Manaue has insiderable aren of forest that seem in very bade shape, posselly the tree have been spilled by burning or girdling. These fratcher as unequela. Chrisching Marians the bluffs are brigher and much dissected, Mirthy worded hand back of thom dissorted

July 28 - 41th n. of Manners

m. tal, gradation .

8 dr. and speed they

2-5 m. with a wind and sand

There introduced Experiences

Palme principally

Underpowth is hairly

must push oweller

Very Lew berns, 2my

beres such as carinto,

expensed by Pears

survivisty of an elay

rectors, months, the parties.

cing structory wine

Canopy here rather Then

thicker 7471, Locally

The tree habit here is clean order when when selectively cut or selectively cut over the continue of the contractively cut over the contractive of the contractive of

undergrowth abundant mold leaves, in thousand sugar pring that persist

This general way between the end Manne is and selected block of fine sandy sedenaents alightly betoled, finchish in ole .

Les end has in out, man for seen a thin layer of some mable with the

be ding faid by stamley to be concertions for med in without relation to belding. The critic are frequently darkered by

dethin layer of algal discolnation Lake mangeness

purple in sola.

At Between 2 and 22 km.

north of Manage and small areas of graziel write in appearance will, a thin to yellow - roun later on the layer on the film on which we have the film on which the film of which the film of the

masil

The regetation here is different but has been franced over so not is be taken as necessarily typical. Besides sureles of various sorts Ptendium aguelinum Lycopodium commun Carpa anthus. and several granes my prominent. Cleared unear in The forest are tangely grature only to several species of Counting. Toward manaos the entire

July 28 - 21 km. no 1, of manage On white sand in open sewin.

Parpalanthus

38810 algo ming crust

July 38. 10 hm. north of

or was out on pinh fine sand.

vegetation becomes q s cono any tucket into with abundant tracking of several species, lenging; Vismia, melastomes end to noted with vine. flufting cultivation terno graduces long and spreading stong us was.

Der med letter

ang. 1 - try by an from Manyor to Fantarem (in Cataling, south side of plan)

Ravines in Tertiany terray are nother steel walled and the walls well wooded, black water in bottoms of waits mlay mer.

fraller islands are a senes of subparallet channels and ridges, channels will water or wet herbacerus vegetation.

difficult to be sure if wet grassiand seen

an trip up nives is always grass or if perhaps some is floating vegetation.

careirol. Karge island below mouth of his negro is largely wooded, many

of trees leafters at this time. Many clearing along south side. The lake is

greatly enlarged now are still blooded, the trees sticking out of the water.

areas of the traceous vegetation, perhalis bloating, will

mostly leaflers trees with white trunks scattered

through them. En Down

stream somewhat receive island no stripe of leafters trees reparated by green strips much narrower Camargo says

The trees floor leaves during inundation. Certainly

those on lower ground en the leaflers ones. (6 in plato to 31)

thallow shot along ranks with a bliv-green

orgetation probably largely Vister. Much of the

berbaceous vegetation is floating, and when

the mater rises are carnings

it detaches teel, and form, enounce raft, to 200-serm. Emy.

about 14 the trees in some a car almost all in altren are leaflers. 9 few

cere in flower. Lystems of old meanders and channels and "restingas" a natural lever as very

complex. The enclosed water with little self.

by berbaceous regetation.

Mostrichardia swamps seen almost from time of

leaving Manaos. a few lowers on loves. Portches cleared with large brustles of juite makes at my francis. The west grasslands on many places are grassed is only produced near the water water from 5-4 to 19 m of Parinters.

Parintins - old Japaness colony, plantations of rubber Brazi mut.

below Cirinting an area of many with scattered trees boxes, many with new light of seen leaves, after few in flowers with hight find with some will, white him flowering wines over their transfer trees some making a visit work making a visit work was and other colors making a visit work of an emergents. Palms very two not as emergents.

Frest of single for every many seling welling the form of the gent of both white taken of the forest east of both white taken of the forest east of lainting, the last of dryen or so of boars with telefold in.

Constraint a feel shifting cultivation leaving experially book not all a constraint willing to from the sound range in hours I are a some dominante palme. This is on the Centiary terrace. Eastward, in Rio aripidmi.

orange and moth of a stream course halls with babassu palms.

Lonal area perhaps fines cleaning, pure stand of a smaller halm.

Hills more numerous exitures

Hillmore numerous sections

north of main grant of

arabicinis. Those shipting

cultivation. Suramps

inneliately along river.

Patches of secret consuma

with small scattered acouseurs

palms, some was also

presences with white and.

H

the aprenis the stack water, occasione white sand beaches, mostly rather steep banks. Forest here has less tren without leaves and loss with young leave than back a bit mue somber green color. Some small sand barries ridges in edges of river, also brokes ends of capes, fromting existream. all this in estuary frant of stream. flifting cultivation cleaning in all stages of eyele. Between aripinion and Tapajos some beautiful frest with runerous emorgents with hight deep yellow flowers, some The Plowering trees, a few bare enes, palms with what appears to be distichous ligh anangement of (Denocarpus). No Tapajos har tin sand beaches on west banks, who low fundament bluffs there law. Which higher isolated

hells (room.) least of Takager

These bare or almost so.

man betterny. Welcho Chao.

fertiacy erosing - amounts forme

- not on this side seeing more day, for more Ten bound have forms eres almost ravanna. narrow white sained frink sand beaches, pinh bluff. Tida influence here make sand that, printing westream form silteners from amazon noticeable faterite boulders at baser of some of the bluffs. forme sand froints are covered only by reattered thruly.

Contrast between the dark clear water of the Thayor and the light care au lait of umayors Islands across amazon from fantaem not of paralle strips of restings, with grassland, and water. Algerrated by large channels of the amazon and containing fonds and large to very large Laker. Much cleaning on restings and swamp, the latter for jute. Vart Montrichardia sevanter around lake. Canals cut through restings

N

Frent and from umayor to large lake by amange to est in selty water to vie take and make land. The felling is very trions at the inner part of the two largest conali. Ford of water buffalo. The to water runs into the canal because of evaporation run the Law I rolle in knowners load of silt. The are is very muldy in comparison willy other lakes of the sort. Jus current entitle carral is very noticeably. forme have of certica on rellings, representing abandned cleanings I privated by pratilie of signaded all fort. Tryp wis in flower here I much jut away was around curarmela and amal lakes the wet in was and extend out we want a feating masa.

aug. 1 - boat rife landerem to Mayeum in north bank of what in helord bantain. Arral floating refts of grasser occasional. llong north street on islands proneer situations recupies by halix martiana, arrange enter Buropia 44. in restlings and eleaned land. falix of several eges, po perhaps mital Some large reas of Stood plain a low restings deminated by Mustiness calading. n place mines with the small trees. Trung compact layer about 6-7 mitall resund there are paternes of rating tall from forest of Calycophylo Triplans and a humber of other species up a 30 m. 4.1. rather ragged browntation in rank Ind to have bloating grain mats, frominences tend I be enoting rapidly es that trees are down along be bank. Treplans in I wer or fruit, white

flug 1 Mayenn Jest plain my to con chanse - mudery with prove weeks or midy flat - a garting me. I em fishing in cond. nold canals Justia Ha inchanning nexturia olerace Next Gymmen Cyrode darlyton covery frants On hour in village a grand a commo, making, but morky not very production attached in terminal buy by Robynshophna of. and by a moth lawn. I me trees nother loaded Exhaps from from bycans of resing your nuts.

Dury.

Here Comage has his langer the same of the restings The mudely water structure in at a rate of returning to be second.

from the surface of the rate the wast wet meadows grow on a muddy soil that will not support the weight of a horse, though it is traversed by Indian buffalo of which there are 1600 head here, feeding in the wet wel mills which good charge. The latter which mormally have dark clear water, her have muddy water as in the amongen. yales very seldom flows out of the lake, only me a In 4 years, then at diest season for about a weeks it flows in and out with tade. Tidal fluctuation 20-25 cm The land that is brilt up by sedimentation by I water from these canals is from because of the perspection of silt and fine sand When dry will support a horse or station wagon. Considerable richhomis in palches on lake, but not excessive. falix martiana, small true, have enlarged bases and correal with bushy north at cop of eme and above.

Large white berons bottom, term bird, are commanted janual his bird, and common with land with habit of book-lailed williage of mall shore birds, a hawk and small thursh-like tride with yellow front parts.

The subbe plantations have a ground core of landing out is explained by Trumsend penetrust at the plantation) as due to raising the trees used in of working the trees.

The soil here is clark and be a content. There is said I be a content, there is said I be a content, there is said I be a correlation between areas of dark soil and extension Indian occupation.

aug. 2 - Lantarem & Bellevy low wills partly gramy partly wooded, mostly showing cleanings in various stages of revigetation, Forest vecine, some injuriant toward Relleria grandisappears. il retern an large areas in wavea. Deffer not field are in different conditions. Trees are quite individual fully leafed out. In mo fields many wer appear to be dead firstly not of our are my. Welterna - 4 months dry season. 90" rainfall, Appercent of which is in the & wet months.

Lecond growth very
Which Conspicuous general
Petulses Visma, Michea
Davila Labrees, Randia
Tabernamentana Sipanus
Casearia Diorles Cecropia,
Ottolea

Pariana - a mazonia only,

K

farther last tide should become very conspicuous. even at some distance orm ely imajon. I never and It is in wet grand and or Whentrichardis swamp. is lings alt. to tell, looks fromish green Land is dividely clouded out regetated. This terrain is snaply so off. by its hownish ye lowish. green color and intirely deflerent testure from the slightly nigher frested landbadeing i to the south and in islands is it. The inundated land is extensive and extends dendritically southward into the forested higher wound. t telends from a out elong our course north to the amagon. whong south of edge of this mindated area, faither east is telt of tralm frest ranging to savanna with hemmah. tile islands of diest frest. This is just west of this Xingii. Vobundary is very inequelar, with varies from very name a grite wine. and dendritic extensions ready rely into the forest great as The invendated land did a cittle

faither west. fain strips may have been what I took of y swamp bout her in the Trily from Decem to fantaren. This tranveen roughly following Kis facain. a tributing of it from the south, west of Kiskinga Tia broad at strift what is probably wit grassland with much the Montrecharding oward, a few small patcher of palme. East of this streen is slightly accorated somewhat disserted wooded land with narrow transling roque of malm fromt. By the nature of the fattern this palm frests must mark small stream systems, out the streams cannot be seen some grassland with areas of palms on west side of Kingu, parts of this may be rather wet. Does not extend more than a short distance up the river, very little developed on east bank of Kingu. a few old channels, Clakes, etc forme marrow white sand boach but broken. 166 Imal stream women mund, east 1 kings annowal at not the y assemd. Howard is not In farm with of course cast of the record seems to be an old channel, running worth, rather and of white sand with a spare serulo (pert). Cast of the Younger wir dendritic fretteins on the forest are definitely not gralm forest and definitely do follow straum course, appear here is be various I vod plains which trave been requirenated, have a meandering rovins in them ? vegetation on their flood plains is conficuously - me tentures than in the servered my town in the surrounding freet and more dans their and much more variation in color of thees. The Ris Constant drefor Bis care the enter the Rio Caroing has a efletacular of ormel ravine frattern, with the green islands and feminule standing out very shappy against the black water. The land bed is somewhat brigher ran the water so

across into the Ris dollars. mount of as I ever and several other small villages. parallel curved crannels slightly braided. The main channel . . Estreces do prim is extremely muddy, its others about is much so. I work as there channels, as well for almost me la re almost weid evert . - , w little inequely going socia, numerous slifting allow agriculture patcher, worthy in or know the etrannels. more small fratiles of your and go east. moth of Rio de Para. a to more suffing agriculture and godd unegular patches of in different, darlier green, mit of Weiling Many large channels or straits commy will from umayon to Kirole Para, cell very muddy, castward along Res do Para many very enequelas small savans (rate), Then a signate are where the man parts exceed the worded parts, this nature

we if away from the kindy lang, I not a to Cattern of freet appears to be dry, from a many of the very few trail, went be sand grave sieme to be rather tain acathered Arushus and some trees in party. Leveral hat, of it have been recently burned. had ward of the sorry more cere intricate fratches of similar reveal Janesay Court considerable sufting cultivation brigular obyof fathern of the semilar without of the exercisma actilier suggests that they may have locan the major the reverser Considerable areas of the fruit east of exam of lower statury, much I imer textury than that surrounding it to the armost relia a soul. Inthis and emaller partiles that are almost savanna. Tin complex may the reconcerny after slifting cultivation but the boundarie and neither sharpoor angular. rad of this there is an extensive network of channels

of yarrow sign around island of various sign northward much savany with a small proportion of forest, butteringing everly. much shifting williating mayore of the islands, with homen along channers, also many to brathouse. Wisland area - 7 worlly wroden except on cleanings) month of the island onflice The savanna - word confiler centinue eastward pertendices The frest on the is card has many palms, terry my predminantly alms. they do I are there we come enomously wide the navanna, to the north secome more and more caternio and with less forest, and The island complex disappears eastward, To savannis finally approaching the vayo Mo. Castward acro they have generally many seattered shribe and small trees fouth bank of Riv to Para a Baia de toga Marago varie between yellowish total

beacher, very low they to,

to orcasional stretches of very low bare light when chiffy.

Much shifting sultimation in the sea west of learn.

I stages , weighted

172 1957 Brazil ang y. A Uniboca, 20 km = ally is nother of the Belin Tell rain cost, up & 70 (450) m. fainly = wally spaced, trumber told clear freeze much is 2 - 31 m prist = 2 muchas Im in In a without of It buttery, mony of Larger trues ever conspicuous buttiens white Jay mi higher an I was words it stay. commencent to last Thunga (Everyeving ming en V. - trum = 1. Julying ann alten Cumaris Turbine to 1.49 m fram. & tea. / interight - is not home fultiment truck - y - way - - say large theor 10 mill 112 + and I were my 2° m = apart, a construm saye or vom all a suite of the carry of The some climber to the rigg. the hours a perfet in which teal. for ago, a from sent Electricity or of months of the

Para - amogenes Majo 181 180 vert of the sail of fage trees mille middle of arreau i another letyone of these of fine work really of lover, channels burning, alremoly having erander, it and the world flactioned a substantial aira area immediately surrounding fear of older over also seen Many sand beaches and this dalle is unbelievably isomplex, a drowned along line Shits around lowe auguns exhibity becomes from wearing of wet savanny tach walls fronds and inlite patcher of transvers and channels. Olf stream course story up or place as sandy trether West of it the remain change with ofen send usually a first a kredominantly stry of differentialed vegetation morticlardia swamp (?) Indiving there and controlling the I found much interfigue horth from tocoations is different patcher aling same of steem - course, just east of launting. i very confuences road cut thru the front - and west of Carintin is a vest my bright red and of Land, mortly storded The joint crack structure at light water, with my it described by flernberg segung is alive refe well trake stream restings a natural level, remaining dry in a complex . in ensections and Turns town of meanders old channels, mostly formeny right angle. liver, wet granland, Ever where the streams canno be seen, their courses ponche, lakes, swamps, etc. are marked by strips of range sheets of water with, lighter green finer Textured numerous small relained vegetation in the dark green even single Today growing to water. of the forest west atherwise or places has the appropriance or a habyinth of drawnels. . The uniform sook for In of Ressaca a large meandly now patches of very targe pay cuts off abrightly a series of the how that store ripragains parallel channels and bars. Wodard green bullground.

Lugy 4 - Manas

Free return somm st. + me)

Rangeling indica

Rocaria manufactory a

Princial principles

Drucaeno op. (leafy for some indexes of

Polypeias futurosa

Dieffentrachia maculata

Lagerstroemia indica

Olocaria Clarge finnately (sless (or.))

ingmes - Day

183

Sow bushy suffraterent here to similarly such such yellow.

Low spreading should suffer.

spreading somewhat exangute weeky plowers very pale lavender.

stiff should 0.7 m. talf; plowers bright orange-yellow.

flowers very pale blue.

beliefes of ned soil penhaps 10 m high, anthon ban Town, yew trees excep a

clump of trus of execute, one is They oblin wither large tress - manger Fren freitrafen. West of loan when we him north the banks is brigh and red some cleaning along the und

coans of the never teller

189to com his nation resent Duna! frisibility obscured by name A - Eland werrors from yoz

als where a charently all worded except name chiand strip with scattered house a teast one new cleaning

West of this Mile south new as nearly as can be made out - through broker in the cloud, al in tall dense from Weil in the north bank

in in gran, but to obser to see if it is sleaving or wet

marsland Clouds ar very thick, wear following river, Kaining Many Calies and ponds visible to moth, but no details. from of The close one have some grass around them, inotably wet grassland Some flooded land with Trees. Takes become robated westward with less grass. - lon more rumerous. Her a pew array of I I'm seril, fromibly on slightly brigher ground, no partit like a low

elongate ridge. I stward rather uneven fireit, som patches fines tertured and lower in Lader frost quito a fair loefless

850

a just leafungerest emigent true. a few scattered tall bright yellow nein full Thena large and of lighter color moresen truger - possely swarmy frest or inundated frest, seems sharply set of from carlen green ferest to month, possibly by a low escarpenent, I small black water found in the middle of this lighter from. : Vestward this interfrager with taller forest - the difference is considerable. Hen mostly tall frest, again with the yellow flowering tree. Then a meandering narrow were channel and some ind off meander, some wet pasiland, perhaps floating. Revend new cleaning on north bank of This I starter both from hatches of lora dense friend almost and, lighter dul green. Tall follow mottled with Tien in vairon stage of Keafing out, form rid possibly in flower in many chamoes a

ight from an angerment, much

. 11. grandan serve inundates Then rethermalitudes. forest i her watery from man-made less something the clearly wet grassland festilered " would mer find furrounded by a scrub vegetation I atches of this same may mark location of frames Lands. This patternorg pendi, serul and frerest more marked westward. Boundaries between scruft and freet become sharp it serve seems to be in water. Still farther mest the scrib become more of a well savanna with scattered to bas Trees and dow laster in partly years. Then we can the bolimber which ne wed free. I wall island tate soully sust of Tele have not send in interior, mest in periphery, name or wide. Coffee house in banks, one paleton of we grantand on soul and of the Vanenin som Piller or early felled cross channels running southeast. areas of west re grassland interior. Some houds and

swamp fourt around tago tree in all stages of leafing out. John substanting tome with clestrings driving shows of Lago Tele seft left about 10 4 south along the then of considerable stitude out over freet Cumuline closed make from visibility but frest seem uninterripted, Theres on 35 minutes then a small exceedingly meantering river at night angles to course. ind a single meander of our hantles ahead, to right, two on was in place, writty woung more meanders, a large very muddy redderly never - arlandy Juning I some forest except ickny wer To bome out off side meander a or low Lakes on fredrages other chancel, as they are rather muddy then To lake for the day wen a large mudely into the mengthe edger to river has marrow trave much belowntes crossed of mino I few manow winding very muddy tributaries or channels in fresh

her vin I find or heren , northy muddy un clins frest a ong the with sid of his furni "ward from trans 11-16 i real areas of denne lower samply forest or away - il not pequent. i frequencal student 1.7 cleanings. Llow a Little rating and reldist soil. ranelling of lover altitude. Frest quite mixed, many trees Skafler or lacking out, Elevely motiled appearance weally we approach from cultivation at a fairly low allitude. fanded or Rio Lurio Landy banks about 6-8 m. bugh forest almost down to banks. a narrow strip of gran it top of wants. he freel looks rather one scribby instably secondary but formately secondary but to sand must have some clay as The cut banks in places stend up the almost vertically Seems to be an inequality bealth figure punkish tan colored alluvium. forge sand baronnoth, rand River 160 - 150 m. (?) wede -/www.tl Considerable shifting of incultur Cocally near Carmani

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